

# Proposal to create a STEP Modules Harmonization Team in WG10

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## Introduction

In June 1998 SC4 approved the creation of the WG10 STEP Modularization PWI and in January 1999 SC4 Resolution 395 allowed nominated STEP projects to adopt the modular approach based on a first set of deliverables from that PWI. As the nominated AP/modules development teams have adopted the creation of harmonized and interoperable modules suites as a goal, the requirement for support from other modules development and modular architecture experts outside the teams themselves has arisen as a key issue. The PWI has discussed this requirement and WG10 is proposing the creation of a team of experts to assist the AP/modules development teams in meeting their goal.

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## Objectives of the resolution

This resolution has the following objectives:

1. Provide support to specific AP/modules teams in their goal of producing harmonized and interoperable modules suites;
2. Create a knowledge based of the complete scope of 10303 APs for the purposes of limiting the duplication of solutions to the same or similar requirements;
3. Identify resources to build and maintain a set of infrastructure tools to assist the AP/modules teams in achieving their goals and in helping with the management of AP/modules development.

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## Resolution 1 of 3 pages:

SC4 resolves to create new team be created under WG10 (with the expectation that it will move to the appropriate WG as STEP Modularization becomes a more mainstream practice) called the "STEP Modules Harmonization Team" with the following responsibilities:

- identify commonality across existing and proposed STEP APs, based on industry requirements
- facilitate the exploitation of commonality through the development and use of modules
- support the development and standardization of modularized or extended application protocols, application modules and extensions and
- common resources by teams working in WG3, JWG9, and WG12

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The STEP Modules Harmonization team will perform the following tasks:

- facilitate harmonization workshops (typically 2-4 per year);
- build and maintain knowledge of the full scope of AP development within SC4 (i.e., "keep the big picture")
- create and maintain tools such as a catalogue of modules (covering those in development as well as published modules), usage by APs and other modules, UOF repository, module repository, etc.
- maintain an issues log for development and use of modules, and work with other teams to resolve issues report to SC4 on the level of harmonization achieved within and between specific module suites as requested by module/AP development teams, to act as a neutral third party, or arbitrator, in making technical decisions when disputes arise between and within the development teams

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WG10 recommends that SC4 request nominations to this team from P-members and A-liaisons, to play the following roles:

- Team leader
- industry/application/domain expert
- information requirements analysis expert
- interpretation/interoperability expert
- harmonization infrastructure developer